Index of Claims

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|--|---|---|----|----|-----|-----|-----|------|----|-----|

09/876,680

Examiner

Myron G. Hill

Applicant(s)/Patent under Reexamination

BLAIR ET AL.

**Appeal** 

Objected

Art Unit

1648

| 1 | Rejected | - | (Through numeral)<br>Cancelled | N | Non-Elected  | A |   |  |
|---|----------|---|--------------------------------|---|--------------|---|---|--|
| = | Allowed  | ÷ | Restricted                     | ı | Interference | 0 | : |  |

| Cla      | Claim Date |  |                         | С   | Claim Date                                       |  |                          |          |          |                    |                     | Cla      | Date      |  |              |  |                 |     |                      |            |          |                 |           |          |          |          |          |          |          |
|----------|------------|--|-------------------------|---|--|--|--------------------------|----------|----------|--------------------|---------------------|----------|-----------|--|--------------|--|-----------------|-----|----------------------|------------|----------|-----------------|-----------|----------|----------|----------|----------|----------|----------|
|          | -          | 17.72  | П                       |   |  |  |                          |          | -        |                    |                     |          |           |  |              |  |                 |     |                      | -E         |          |                 |           |          |          |          |          | П        | ٦        |
| Final    | Original   | Xn.  | 903                     |   |  | .  |                          | Final    | Original |                    |                     |          |           |  |              |  |                 |     | Final                | Original   |          |                 |           |          |          |          |          |          |          |
| iĒ       | Ĕ          | 1  | Y~                      |   |  |  |                          | 🖃        | ΙĔ       |                    |                     | - 1      |           |  |              |  |                 |     | 证                    | Ĕ          |          |                 | - 1       |          | ı        |          |          |          |          |
|          |            | 38   | $\perp \perp$           |   | <u> </u>   |  | Щ                        |          |          | $oldsymbol{\perp}$ | Ш                   | _        |           |  |              | <u> </u>   | Ш               |     |                      |            |          | _               | _         | $\perp$  | $\Box$   | _        | _        | _        | _        |
|          | 1          | 14   | $\perp \perp$           |   | L  | $\sqcup \bot$                                    | Ш                        |          | 51       | <u> </u>           | Ш                   | _        | 4         | $\perp$  | ┸            | $oxed{oxed}$                                     | Щ               |     |                      | 101        |          |                 |           | _        | _        | _        | _        | $\dashv$ | _        |
|          | 2          |  | $\perp \perp$           |   | <u> </u>   | Ш  |                          |          | 52       |                    |                     | _        | _         |  | 1            | L  | Щ               |     |                      | 102        |          | 4               |           | $\perp$  | _        |          | _        | 4        | _        |
|          | 3          | Ш.   | $\sqcup$                |   | <u> </u>   |  | 44                       |          | 53       | $\bot$             | $\sqcup$            | 4        | 4         | $\perp$  | ┦            | <u> </u>   |                 |     |                      | 103        |          | 4               | _         | _        | 4        | _        |          | 4        | _        |
|          | 4          | Ш  | $\perp$                 |   | _  |  | 44                       | <u> </u> | 54       | _                  | Ш                   | 4        | _         |  | <b></b>      |  | Ш               |     |                      | 104        |          | _               |           | _        | 4        | _        | _        | 4        | _        |
|          | 5          | Ш.   | <del>-</del>            |   |  | $\vdash$   | +                        | -        | 55       | 1                  | $\vdash$            |          | _         |  | -            | _  | Ш               |     |                      | 105        | _        | 4               | 4         | $\dashv$ | _        |          | _        | $\dashv$ | 4        |
|          | 6          | Ш.   | +                       | _   | <u> </u>   | $\vdash$   |                          | <u> </u> | 56       | -                  | $\vdash \vdash$     | $\dashv$ | +         | +  | +            |  | Н               |     | $\vdash$             | 106        |          | $\dashv$        | $\dashv$  | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ |          |
| <u> </u> | 7          | Н-   | ╁┼                      |   | -  | $\vdash$   | +                        |          | 57       | +                  | $\vdash \vdash$     | +        | +         | $\dashv$   | +            | -  | Н               |     |                      | 107        | -        | $\dashv$        | -         | $\dashv$ | -        | $\dashv$ | $\dashv$ | $\dashv$ | -        |
|          | 8          | Н-   | ╁┼                      | +   | $\vdash$   | ⊢  |                          | -        | 58<br>59 | ╁┈                 | ┦                   | $\dashv$ | $\dashv$  | +  | +            |  | Н               |     | $\vdash\vdash$       | 108        | -        | $\dashv$        | $\dashv$  | $\dashv$ | -        | $\dashv$ | -+       | -        | $\dashv$ |
| <u> </u> | 9          | Н-   | ++                      |   | -  | -  | +                        | -        | 60       | +                  | $\vdash \vdash$     | $\dashv$ | +         |  | +            | -  | Н               |     | <del>  </del>        | 109        | $\dashv$ | $\dashv$        |           | +        | -        | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ |
| <u> </u> | 11         |  | ┼╌┼                     |   | $\vdash$   | $\vdash \vdash$                                  | +                        | $\vdash$ | 61       | +                  | $\vdash \vdash$     | $\dashv$ | +         | +  | +,           | $\vdash$   | $\vdash$        |     | $\vdash\vdash$       | 110<br>111 |          | -+              | $\dashv$  | -+       | -        | $\dashv$ | $\dashv$ | +        | $\dashv$ |
| -        | 12         | -  -   | ╁╾╁                     | $\dashv$  | +  | $\vdash$   | +                        | -        | 62       | +                  | $\vdash$            | $\dashv$ | $\dashv$  | +  | +            |  | Н               |     | $\vdash\vdash$       | 112        |          | -+              | $\dashv$  |          | -        | $\dashv$ | $\dashv$ | +        | $\dashv$ |
| -        | 13         | <del>                                     </del> | ++                      |   | +  | $\vdash \vdash$                                  | +                        | -        | 63       | +                  | $\vdash$            | +        | +         | +  | +            | $\vdash$   | H               |     | $\vdash\vdash\vdash$ | 113        |          | $\dashv$        | $\dashv$  | +        | $\dashv$ | $\dashv$ | $\dashv$ | +        | $\dashv$ |
| -        | 14         |  | ╁╌┼                     | +   | -  | <del>                                     </del> | +                        | $\vdash$ | 64       | +                  | $\vdash \vdash$     | $\dashv$ | $\dashv$  | $\dashv$   | +            | $\vdash$   | $\vdash$        |     | $\vdash \vdash$      | 114        | $\dashv$ | $\dashv$        | $\dashv$  | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | +        | $\dashv$ |
|          | 15         |  | + +                     | +   | $\vdash$   | <del>                                     </del> | +                        | -        | 65       | +-                 |                     | $\dashv$ | -         | +  | +            | $\vdash$   | Н               |     | $\vdash\vdash$       | 115        | $\dashv$ | $\dashv$        | $\dashv$  | $\dashv$ | $\dashv$ | +        | -        | +        | $\dashv$ |
|          | 16         | <del>      -</del>                               | ╅                       | +   | -  | <del>   -</del>                                  | +                        | -        | 66       | +                  | $\vdash \vdash$     | $\dashv$ | +         | $\dashv$   | +            | $\vdash$   | $\vdash$        |     | $\vdash \vdash$      | 116        | $\dashv$ | $\dashv$        | $\dashv$  | $\dashv$ | +        | +        | $\dashv$ | $\dashv$ | $\dashv$ |
| $\vdash$ | 17         | H -  | +                       | +   | $\vdash$   | $\vdash$   | +                        |          | 67       | +                  | $\vdash$            |          | +         | +  | +-           | <del>                                     </del> | $\vdash \vdash$ |     |                      | 117        |          | +               | +         | $\dashv$ | +        | -        | -        | +        | $\dashv$ |
|          | 18         | +  | ┿┿                      | +   | <del>                                     </del> | - -  | +                        | -        | 68       | +-                 | $\vdash \vdash$     | $\dashv$ | +         | +  | +            | $\vdash$   | Н               |     | $\vdash \vdash$      | 118        | $\dashv$ | $\dashv$        | ┪         | $\dashv$ | ┪        | $\dashv$ | $\dashv$ | +        | $\dashv$ |
|          | 19         | H  | ++                      | -   | <del> </del>                                     | <del>     </del>                                 | +                        |          | 69       | +                  | $\vdash$            | +        | +         | +  | +            | H  | Н               |     | Н                    | 119        | $\dashv$ | $\dashv$        | ┪         | $\dashv$ | +        | _        | $\dashv$ | $\dashv$ | ᅱ        |
| -        | 20         |  | † †                     |   | H  | H  | +                        | <u> </u> | 70       | +                  | H                   | +        | $\dagger$ | +  | +            |  |                 |     |                      | 120        |          | $\dashv$        |           |          | 7        |          |          | $\dashv$ | ᅱ        |
|          | 21.        | 1  | ╅┈╅                     | $\dashv$  | ┢  | $\vdash$   | +                        |          | 71       | $\vdash$           | Н                   | $\dashv$ | $\dashv$  | +  | +            | $\vdash$   |                 |     |                      | 121        | $\dashv$ | $\dashv$        | ┪         | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ |
| -        | 22         |  | ++                      | +   | ┢╌   | $\vdash$   | +                        | <u> </u> | 72       | +-                 | $\vdash$            | $\dashv$ | $\dashv$  | $\dashv$   | +-           | $\vdash$   |                 |     | $\vdash$             | 122        | $\dashv$ | $\dashv$        | $\dashv$  | $\dashv$ | 一        | _        | _        | $\dashv$ | $\neg$   |
|          | 23         | <b>#</b>   | 1-1                     | _   | <b>-</b>   |  | $\vdash$                 |          | 73       | +                  | H                   | T        | 十         | +  | 1            |  |                 |     |                      | 123        |          | $\dashv$        | $\exists$ |          | T        | _        |          | $\dashv$ | ┪        |
| $\vdash$ | 24         | $\vdash$   | † †                     | $\dashv$  | $\vdash$   | $\vdash$   | +                        | <u> </u> | 74       | +                  | $\vdash$            | 十        | $\dashv$  | 十  | +-           |  | $\vdash$        |     |                      | 124        |          | $\neg \uparrow$ | 7         | 十        | _        | $\dashv$ | _        | 十        | $\neg$   |
|          | 25         |  | $\top$                  | $\dashv$  | $\vdash$   | $\sqcap$   | $\neg \neg$              |          | 75       | $\top$             | П                   | $\dashv$ | $\dashv$  | 十  | 1-           | П  |                 |     | $\Box$               | 125        | $\neg$   |                 | _         |          | 7        |          | _        | $\neg$   | ᅱ        |
|          | 26         |  | 11                      |   |  | $\Box$   |                          |          | 76       |                    |                     |          | T         | 十  | 1            |  |                 | -   |                      | 126        |          | 寸               |           | T        | 寸        |          | T        | ヿ        | ヿ        |
|          | 27         |  | $\Box$                  |   |  |  |                          |          | 77       |                    |                     |          | 寸         | 1  | $\top$       |  |                 |     |                      | 127        |          | $\neg$          | ヿ         | $\Box$   |          | $\neg$   | 寸        | ヿ        | ヿ        |
|          | 28         | $\Box$   |                         |   | Г  |  | $\top$                   |          | 78       |                    | П                   |          | $\top$    | $\top$   | Т            |  |                 |     |                      | 128        | $\neg$   | $\neg$          | $\neg$    | $\neg$   |          |          | $\neg$   | $\top$   | $\neg$   |
|          | 29         |  |                         |   |  |  |                          |          | 79       |                    | П                   |          | T         | $\neg$   |              |  |                 |     |                      | 129        |          |                 |           |          |          |          |          | $\top$   |          |
|          | 30         |  |                         | $\top$  | Г  |  |                          |          | 80       |                    |                     |          |           |  | 1            |  |                 |     |                      | 130        |          |                 | $\neg$    |          |          |          | $\neg$   | T        | コ        |
|          | 31         |  |                         | $oldsymbol{ol}}}}}}}}}}}}}$ |  |  |                          |          | 81       |                    |                     | J        | $\Box$    | $oldsymbol{ol}}}}}}}}}}}}$ | Γ            |  |                 |     |                      | 131        |          |                 |           |          |          |          |          | $\Box$   |          |
|          | 32         |  |                         |   |  |  |                          |          | 82       |                    |                     |          | $\Box$    | $oldsymbol{oldsymbol{oldsymbol{oldsymbol{\Box}}}$  | $oxed{oxed}$ |  |                 |     |                      | 132        |          |                 |           |          |          |          |          | $\Box$   |          |
|          | 33         |  |                         |   |  |  |                          |          | 83       |                    |                     |          | $oxed{T}$ |  |              |  |                 |     |                      | 133        | ·        |                 |           |          |          |          |          | $\Box$   |          |
|          | 34         |  |                         |   |  |  | $oxed{\Box}$             |          | 84       |                    |                     |          | $\Box$    |  |              |  |                 |     |                      | 134        |          | $\Box$          |           |          |          |          |          | $\Box$   |          |
|          | 35         |  |                         |   |  | Ш  | Ш                        |          | 85       |                    | Ш                   | $\Box$   | $\perp$   |  | 1            |  |                 |     |                      | 135        |          |                 |           | $\Box$   |          | $\Box$   |          | $\bot$   |          |
|          | 36         |  |                         |   |  | $\Box$   | Ш                        |          | 86       | $\Box$             | Ц                   | [        |           |  | $oxed{oxed}$ | Ш  | Ш               |     | L                    | 136        |          |                 | $\Box$    | $\Box$   |          |          | _[       | $\bot$   |          |
|          | 37         |  |                         |   | $\perp$  | $\sqcup \!\!\!\! \perp$                          | $\perp \perp$            | <u> </u> | 87       | Ш                  | Ш                   | $\perp$  | $\perp$   | $\perp$  | $\perp$      |  | Ш               |     |                      | 137        | $\dashv$ |                 | _]        | 4        | _        | $\perp$  | $\perp$  | $\bot$   | $\sqcup$ |
|          | 38         | $\sqcup \bot$                                    | 1_1                     |   | _  | $\sqcup \bot$                                    | $\perp \perp$            |          | 88       | Ш                  | Ш                   |          | $\perp$   | $\perp$  |              | <u> </u>   | Ш               |     |                      | 138        |          | _               |           | _        | _        | _        | $\dashv$ |          | $\Box$   |
|          | 39         | _ _  | $\downarrow \downarrow$ |   | _  | $\sqcup \bot$                                    | 44                       |          | 89       | $\perp$            | Щ                   | _        | _         | $\perp$  | ↓_           | $ldsymbol{ldsymbol{ldsymbol{eta}}}$              | Щ               |     | $oxed{oxed}$         | 139        | _        | $\perp$         | _         | $\perp$  |          |          |          | $\dashv$ | $\Box$   |
| L        | 40         | $\sqcup \!\! \perp$                              | $\sqcup$                |   |  | $\sqcup \bot$                                    | $\perp \perp \downarrow$ |          | 90       | $\perp$            | $\sqcup$            | _        | _         | $\perp$  | $\bot$       | Щ  | Щ               |     | $oxed{oxed}$         | 140        |          | _               | _         | _        | _        | _        |          | _        | _        |
|          | 41         | <u> </u>   | + +                     |   | $\vdash$   |  | 44                       | <u> </u> | 91       | $\perp \perp$      | $\sqcup$            | 4        | $\dashv$  | $\bot$   | $\bot$       | Ш  | Щ               |     |                      | 141        | _        | $\dashv$        | _         | 4        | _        | _        | _        | _        | $\dashv$ |
|          | 42         | $\vdash \vdash$                                  | +                       |   | <u> </u>   | $\vdash \vdash$                                  | Щ                        |          | 92       |                    | $\sqcup$            | 4        | _         | $\perp$  | $\perp$      | Ш  | Ш               |     | ļļ                   | 142        | _        | $\dashv$        | _         | 4        | _        | _        | _        | $\dashv$ | _        |
|          | 43         | -  | +                       | +   | $oxed{oxed}$                                     |  | 4-4                      |          | 93       | $\perp$            | $\sqcup$            | $\dashv$ | +         | $\perp$  | <u>  ·</u>   | Ш  | Щ               |     |                      | 143        | _        | $\dashv$        | 4         |          | _        | _        | 4        | $\dashv$ | 4        |
| <u> </u> | 44         |  | 1-1                     |   | <u> </u>   | <b>LL</b>  | 44                       | ļ        | 94       | $\perp$            | Ш                   | _        |           | 4  | _            | Ш  | $\vdash$        |     |                      | 144        |          | _               |           | _        | -        | _        | 4        | $\dashv$ | _        |
|          | 45         |  | $\downarrow \downarrow$ | _   | Щ  | $\vdash \vdash$                                  | $\perp \perp$            | <u> </u> | 95       | $\sqcup$           | $\sqcup$            | $\dashv$ | $\perp$   | $\perp$  | 1            | L.,  | Щ               |     |                      | 145        | _        | 4               | _         | _        | _        | _        | _        | $\dashv$ | $\dashv$ |
| L        | 46         | $\vdash \vdash$                                  | +                       | _   | Ш  | $\vdash \vdash$                                  |                          |          | 96       | Н                  | Ц                   | $\dashv$ | $\dashv$  | $\bot$   | +-           | Ш  | Щ               |     | $\vdash$             | 146        | _        | $\dashv$        | _         | -        | _        | _        | _        | _        | 4        |
| <u> </u> | 47         | $\vdash$   | ++                      | +   | Ш  | $\vdash \vdash$                                  | 44                       | <u> </u> | 97       | $\vdash$           | $\sqcup \downarrow$ | -+       | +         | +  | +            | Ш  | $\square$       |     |                      | 147        | 4        | _               | $\dashv$  | $\dashv$ | $\dashv$ | _        | _        | $\dashv$ | _        |
|          | 48         | $\vdash$   | ++                      |   | Ш  | $\vdash \vdash$                                  | <b>↓</b>                 | <u> </u> | 98       |                    | $\sqcup$            | $\dashv$ | 4         | $\bot$   | 4            | Ш  | Щ               |     |                      | 148        | _        | $\dashv$        | 4         | 4        | _        | -        | _        | _        | _        |
|          | 49         | $\vdash$   | ++                      |   | Н  | $\vdash \vdash$                                  | $+\!\!\!-\!\!\!\!+$      | <u> </u> | 99       | $\vdash$           | $\vdash \vdash$     | _        | +         | +  | +            | Н  | Ш               |     | <b> </b>             | 149        | _        | $\dashv$        | $\dashv$  | 4        | _        | -        | _        | $\dashv$ | 4        |
| L        | 50         |  | $\perp \perp$           |   | لــــــا   | $\sqcup \bot$                                    |                          |          | 100      | $\perp$            | Щ                   |          |           | L_   | .L           | Щ  | Ш               | - 1 | لـــــا              | 150        |          |                 |           | ᆚ        |          |          |          |          |          |